

IN THE ABSTRACT

Please replace the Abstract with the following:

A method and a device for controlling an electrically actuated wear adjuster of a brake application device for vehicles, in particular rail vehicles. Said method comprises the following steps: a) determination of an actual application stroke of brake linings against an allocated brake disc or brake drum during service braking, in accordance with at least one measured brake application path that is traversed by the brake linings and with a measured braking force value that is allocated to said brake application path; b) comparison of the actual application stroke with a desired brake application stroke or a desired application stroke tolerance range and if the actual application stroke deviates from said stroke or range: calculation of an adjustment path from said deviation; c) electronic control of the wear adjuster in accordance with the calculated adjustment path.